

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/155, 676 C
Source: TFW16
Date Processed by STIC: 12/19/2005

ENTERED



IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/155,676C

DATE: 12/19/2005
 TIME: 09:39:40

Input Set : A:\sequence listing.txt
 Output Set: N:\CRF4\12192005\I155676C.raw

3 <110> APPLICANT: WALLACH, David
 4 MALININ, Nikolai
 5 BOLDIN, Mark
 6 KOVALENKO, Andrei
 7 METT, Igor
 9 <120> TITLE OF INVENTION: MODULATORS OF TNF RECEPTOR ASSOCIATED FACTOR
 (TRAF), THEIR
 10 PREPARATION AND USE
 12 <130> FILE REFERENCE: WALLACH=21
 14 <140> CURRENT APPLICATION NUMBER: 09/155,676C
 15 <141> CURRENT FILING DATE: 1999-01-04
 17 <150> PRIOR APPLICATION NUMBER: PCT/IL97/00117
 18 <151> PRIOR FILING DATE: 1997-04-01
 20 <150> PRIOR APPLICATION NUMBER: IL 117800
 21 <151> PRIOR FILING DATE: 1996-04-02
 23 <150> PRIOR APPLICATION NUMBER: IL 119133
 24 <151> PRIOR FILING DATE: 1996-08-26
 26 <160> NUMBER OF SEQ ID NOS: 23
 28 <170> SOFTWARE: PatentIn version 3.3
 30 <210> SEQ ID NO: 1
 31 <211> LENGTH: 1906
 32 <212> TYPE: DNA
 33 <213> ORGANISM: Homo sapiens
 36 <220> FEATURE:
 37 <221> NAME/KEY: misc_feature
 38 <222> LOCATION: (94)..(94)
 39 <223> OTHER INFORMATION: n is a, c, g, or t
 41 <220> FEATURE:
 42 <221> NAME/KEY: misc_feature
 43 <222> LOCATION: (110)..(110)
 44 <223> OTHER INFORMATION: n is a, c, g, or t
 46 <220> FEATURE:
 47 <221> NAME/KEY: misc_feature
 48 <222> LOCATION: (115)..(115)
 49 <223> OTHER INFORMATION: n is a, c, g, or t
 51 <220> FEATURE:
 52 <221> NAME/KEY: misc_feature
 53 <222> LOCATION: (129)..(129)
 54 <223> OTHER INFORMATION: n is a, c, g, or t
 56 <220> FEATURE:
 57 <221> NAME/KEY: misc_feature
 58 <222> LOCATION: (131)..(131)
 59 <223> OTHER INFORMATION: n is a, c, g, or t
 61 <220> FEATURE:

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62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: (136)..(136)
64 <223> OTHER INFORMATION: n is a, c, g, or t
66 <220> FEATURE:
67 <221> NAME/KEY: misc_feature
68 <222> LOCATION: (202)..(202)
69 <223> OTHER INFORMATION: n is a, c, g, or t
71 <400> SEQUENCE: 1
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W--> 74 attcgaggcc acgaaggccg gcgccgcggc gcangcaccc gcccggggan aggcnccatg    120
W--> 76 agcgatcnc ngaacnatga caaaagacaa ttctgtctgg agcgactgct ggatgcagtg    180
W--> 78 aaacagtgcc agatccgcct tngagggaga aaggagattt cctcggttcc cgacagcagg    240
80 gtcacctgtc tgtgtgcaca gtttgaagcc gtcctgcagc atggcttgcgaa gaggagtcga    300
82 ggattggcac tcacagccgc agcgatcaag caggcagcgg gctttgcacag caaaaccgaa    360
84 acagagcccg tggtctggta ctacgtgaag gaggtcctca acaagcacga gctgcagcgc    420
86 ttctactccc tgcgccacat cgcctcagac gtggggccggg gtcgcgcctg gtcgcgtgt    480
88 gccctcaacg aacactccct ggagcgtac ctgcacatgc tcctggccga ccgcgtcagg    540
90 ctgagcactt ttatgaaga ctggctttt gtgatggatg aagaaaggc cagtatgctt    600
92 cctaccatgg cagcaggctt gaactccata ctctttgcga ttaacatcga caacaaggat    660
94 ttgaacgggc agagtaagtt tgctcccacc gtttcagacc tcttaaagga gtcaacgcag    720
96 aacgtgaccc ccttgcgtaa ggagtccacg caaggagtga gcagcctgtt cagggagatc    780
98 acaggctcct ctggcgtctc catcctcatc aaacctgaac aggagaccga ccctgcctg    840
100 tcgtgtccag gaatgtcagt gctgatgcac aatgcaaaaa ggagcggaaag aagaaaaaaa    900
102 aagtgaccaa cataatctca tttgatgtat aggaagatga gcagaactct ggggacgtgt    960
104 taaaaaaagac acctggggca ggggagagct cagaggacaa ctccgaccgc tcctctgtca    1020
106 atatcatgtc cgcctttgaa agccccctcg ggcctaactc caatggaaatc agagcagcaa    1080
108 ctcatggaaa attgattccc tgtcttgaa cggggagttt gggtaaccaga agcttgcgtt    1140
110 gaaaaggcatc gatgtatgtatc atgtggatga aaacgaagat gacgtgtatc gaaactcatc    1200
112 aggaaggaag cacaggggcc actcgagtc gcccggaaag ccactggaaag ggaacacctg    1260
114 cctctcccgat atgcacagct gggctccgct gaaggtgctg cacaatgact ccgacatcct    1320
116 ctccctgtc agtggcggtgg gctcctacag cccagcagat gccccccctcg gaaggctgg    1380
118 gaacgggaca ggaccagagg accacgttcc cccggatcct ggacttcggt acagtgtgga    1440
120 agccagctct ccaggccacg gaagtccctc gagcagcctg ttacttctgc ctcagtgcca    1500
122 gagtccatga caatttgta actgcgcacg gccactgtgg ccatgtatcga caggaaggat    1560
124 gagctggagg aggagaacag atcaactgcga aacctgcctc acgggtgagat ggagcactca    1620
126 gcccgcgtcc ggcaagaggt ggacacccctt aaaaggaaagg tggctgaaca ggaggagcgg    1680
128 cagggcatga aggtccaggc gctggccacg tatcttgct attttgtgag gagattctaa    1740
130 ccccacgtga gaaccatgtg gtggagaaat ggagggagag agaaatccaa cagttcctga    1800
132 tagtctcatt tgagctcctg gatccagtct ttccctgaagc tggatccctt ctggactttt    1860
134 catgtatgtg agccaataaaa ttgctttcat tccttgaaaa aaaaaaaaaa    1906
137 <210> SEQ ID NO: 2
138 <211> LENGTH: 604
139 <212> TYPE: PRT
140 <213> ORGANISM: Homo sapiens
143 <220> FEATURE:
144 <221> NAME/KEY: misc_feature
145 <222> LOCATION: (1)..(1)
146 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
148 <220> FEATURE:

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PATENT APPLICATION: US/09/155,676C TIME: 09:39:40

Input Set : A:\sequence listing.txt
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150 <222> LOCATION: (6)..(6)
151 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
153 <220> FEATURE:
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155 <222> LOCATION: (8)..(8)
156 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <222> LOCATION: (13)..(13)
161 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
163 <220> FEATURE:
164 <221> NAME/KEY: misc_feature
165 <222> LOCATION: (15)..(15)
166 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (37)..(37)
171 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <222> LOCATION: (271)..(271)
176 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (274)..(274)
181 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (334)..(334)
186 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (348)..(348)
191 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
193 <220> FEATURE:
194 <221> NAME/KEY: misc_feature
195 <222> LOCATION: (354)..(355)
196 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
198 <220> FEATURE:
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200 <222> LOCATION: (359)..(359)
201 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (363)..(363)
206 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
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RAW SEQUENCE LISTING
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DATE: 12/19/2005
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Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\12192005\I155676C.raw

210 <222> LOCATION: (405)..(405)
211 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (549)..(549)
216 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
218 <220> FEATURE:
219 <221> NAME/KEY: misc_feature
220 <222> LOCATION: (569)..(570)
221 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
223 <400> SEQUENCE: 2

W--> 225 Xaa Thr Gly Pro Gly Xaa Gly Xaa Met Ser Gly Ser Xaa Asn Xaa Asp

226 1 5 10 15
229 Lys Arg Gln Phe Leu Leu Glu Arg Leu Leu Asp Ala Val Lys Gln Cys
230 20 25 30

W--> 233 Gln Ile Arg Phe Xaa Gly Arg Lys Glu Ile Ala Ser Asp Ser Asp Ser

234 35 40 45
237 Arg Val Thr Cys Leu Cys Ala Gln Phe Glu Ala Val Leu Gln His Gly
238 50 55 60

241 Leu Lys Arg Ser Arg Gly Leu Ala Leu Thr Ala Ala Ala Ile Lys Gln
242 65 70 75 80

245 Ala Ala Gly Phe Ala Ser Lys Thr Glu Thr Glu Pro Val Phe Trp Tyr
246 85 90 95

249 Tyr Val Lys Glu Val Leu Asn Lys His Glu Leu Gln Arg Phe Tyr Ser
250 100 105 110

253 Leu Arg His Ile Ala Ser Asp Val Gly Arg Gly Arg Ala Trp Leu Arg
254 115 120 125

257 Cys Ala Leu Asn Glu His Ser Leu Glu Arg Tyr Leu His Met Leu Leu
258 130 135 140

261 Ala Asp Arg Cys Arg Leu Ser Thr Phe Tyr Glu Asp Trp Ser Phe Val
262 145 150 155 160

265 Met Asp Glu Glu Arg Ser Ser Met Leu Pro Thr Met Ala Ala Gly Leu
266 165 170 175

269 Asn Ser Ile Leu Phe Ala Ile Asn Ile Asp Asn Lys Asp Leu Asn Gly
270 180 185 190

273 Gln Ser Lys Phe Ala Pro Thr Val Ser Asp Leu Leu Lys Glu Ser Thr
274 195 200 205

277 Gln Asn Val Thr Ser Leu Leu Lys Glu Ser Thr Gln Gly Val Ser Ser
278 210 215 220

281 Leu Phe Arg Glu Ile Thr Ala Ser Ser Ala Val Ser Ile Leu Ile Lys
282 225 230 235 240

285 Pro Glu Gln Glu Thr Asp Pro Cys Leu Ser Cys Pro Gly Met Ser Val
286 245 250 255

W--> 289 Leu Met Pro Asn Ala Lys Arg Ser Gly Arg Arg Lys Arg Lys Xaa Pro

290 260 265 270

W--> 293 Thr Xaa Ser His Leu Met Met Arg Lys Met Ser Arg Thr Leu Gly Thr

294 275 280 285

297 Cys Leu Lys Arg His Leu Gly Gln Gly Arg Ala Gln Arg Thr Thr Pro

298 290 295 300

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301 Thr Ala Pro Leu Ser Ile Ser Cys Pro Pro Leu Lys Ala Pro Ser Gly
302 305 310 315 320
W--> 305 Leu Thr Pro Met Glu Ser Glu Gln Gln Leu Met Glu Asn Xaa Phe Pro
306 325 330 335
W--> 309 Val Phe Glu Arg Gly Val Trp Val Pro Glu Ala Xaa Cys Glu Lys His
310 340 345 350
W--> 313 Arg Xaa Xaa Arg Cys Gly Xaa Lys Arg Arg Xaa Arg Val Trp Lys Leu
314 355 360 365
317 Ile Arg Lys Glu Ala Gln Gly Pro Leu Gly Val Ala Arg Glu Ala Thr
318 370 375 380
321 Gly Arg Glu His Leu Pro Leu Pro Asp Ala Gln Leu Gly Ser Ala Glu
322 385 390 395 400
W--> 325 Gly Ala Ala Gln Xaa Leu Arg His Pro Leu Pro Cys Gln Trp Arg Gly
326 405 410 415
329 Leu Leu Gln Pro Ser Arg Cys Pro Pro Arg Lys Pro Gly Glu Arg Asp
330 420 425 430
333 Arg Thr Arg Gly Pro Arg Ser Pro Gly Ser Trp Thr Ser Val Gln Cys
334 435 440 445
337 Gly Ser Gln Leu Ser Arg Pro Arg Lys Ser Ser Glu Gln Pro Val Thr
338 450 455 460
341 Ser Ala Ser Val Pro Glu Ser Met Thr Ile Ser Glu Leu Arg Gln Ala
342 465 470 475 480
345 Thr Val Ala Met Met Asn Arg Lys Asp Glu Leu Glu Glu Glu Asn Arg
346 485 490 495
349 Ser Leu Arg Asn Leu Leu Asp Gly Glu Met Glu His Ser Ala Ala Leu
350 500 505 510
353 Arg Gln Glu Val Asp Thr Leu Lys Arg Lys Val Ala Glu Gln Glu Glu
354 515 520 525
357 Arg Gln Gly Met Lys Val Gln Ala Leu Ala Ser Tyr Leu Cys Tyr Phe
358 530 535 540
W--> 361 Val Arg Arg Phe Xaa Pro His Val Arg Thr Met Trp Trp Arg Asn Gly
362 545 550 555 560
W--> 365 Gly Arg Glu Lys Ser Asn Ser Ser Xaa Xaa Ser His Leu Ser Ser Trp
366 565 570 575
369 Ile Gln Ser Phe Leu Lys Leu Cys Phe Leu Trp Thr Phe His Val Cys
370 580 585 590
373 Glu Pro Ile Asn Cys Phe His Ser Leu Lys Lys Lys
374 595 600
377 <210> SEQ ID NO: 3
378 <211> LENGTH: 2631
379 <212> TYPE: DNA
380 <213> ORGANISM: Homo sapiens
383 <220> FEATURE:
384 <221> NAME/KEY: misc_feature
385 <222> LOCATION: (1081)..(1081)
386 <223> OTHER INFORMATION: n is a, c, g, or t
388 <220> FEATURE:
389 <221> NAME/KEY: misc_feature
390 <222> LOCATION: (1102)..(1102)

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/155,676C

DATE: 12/19/2005
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Input Set : A:\sequence listing.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 94,110,115,129,131,136,202
Seq#:2; Xaa Pos. 1,6,8,13,15,37,271,274,334,348,354,355,359,363,405,548,569
Seq#:2; Xaa Pos. 570
Seq#:3; N Pos. 1081,1102,1120,1125,1129,1135,1146,1170,1180,1188,1208,1239
Seq#:3; N Pos. 1248,1249,1278,1297,1310,1322,1345,1409,1423,1445,1452,1459
Seq#:3; N Pos. 1478,1498,1507,1508,1520,1534,1540,1546,1557,1713,1895,1900
Seq#:3; N Pos. 1934,1942,1951,1962,1967,1974,1984,1988,1994,2005,2012,2024
Seq#:3; N Pos. 2030,2044,2059,2067,2090,2098,2099,2107,2113,2119,2128,2136
Seq#:3; N Pos. 2143,2148,2165,2172,2192,2206,2220,2221,2226,2245,2253,2294
Seq#:3; N Pos. 2327,2427
Seq#:4; N Pos. 53
Seq#:5; Xaa Pos. 18,320,338,356,358,388

Invalid <213> Response:

SN
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:8,9,10,11,21,22

VERIFICATION SUMMARY

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L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:120
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:180
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:32
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:256
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:272
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:320
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:336
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:352
L:325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:400
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:544
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:560
L:770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1080
L:772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1140
L:774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1200
L:776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1260
L:778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1320
L:780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1380
L:782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1440
L:784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1500
L:790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1680
L:796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1860
L:798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1920
L:800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1980
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:2040
L:804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:2100
L:806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:2160
L:808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:2220
L:810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:2280
L:814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:2400
L:835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:16
L:992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:304
L:1000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:336
L:1004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:352
L:1012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:384